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(71)Applicant : HITACHI LTD

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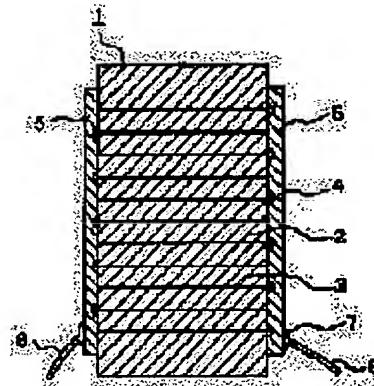
(72)Inventor : SUZUKI HIDEO
SHIONO OSAMU
WATABIKI SEIJI
MIYATA MOTOYUKI
HAYASHIBARA MITSUO

(54) LAMINATED PIEZOELECTRIC ACTUATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a laminated piezoelectric actuator having response consisting with reliability.

SOLUTION: The laminated piezoelectric actuator element 1 comprises a piezoelectric ceramic 2 laminated and sintered by an internal electrode 3 composed of a silver palladium alloy material alloyed with 70 to 50 weight % of silver and 30 to 50 weight % of palladium doped with the ceramic material for piezoelectric effect in a range of 2 to 12 weight % of the total weight of the silver palladium alloy material and the ceramic material for piezoelectric effect, a close characteristic of shrinkage of the internal electrode 3 and the piezoelectric ceramic 2 makes it possible to avoid an interfacial separation, and an adequate resistance of the internal electrode 3 secures the responsiveness of the piezoelectric element 1.



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